



Pre-Construction Notification (PCN) Form

For Nationwide Permits and Regional General Permits
(along with corresponding Water Quality Certifications)

June 1, 2021 Ver 4.1

Please note: fields marked with a red asterisk * below are required. You will not be able to submit the form until all mandatory questions are answered.

Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.

Below is a link to the online help file.

<https://edocs.deq.nc.gov/WaterResources/0/edoc/624704/PCN%20Help%20File%202018-1-30.pdf>

A. Processing Information



County (or Counties) where the project is located: *

Nash

Is this a NCDMS Project? *

☐ Yes ☒ No

Click Yes, only if NCDMS is the applicant or co-applicant.

Is this project a public transportation project? *

☒ Yes ☐ No

This is any publicly funded by municipal, state or federal funds road, rail, airport transportation project.

Is this a NCDOT Project? *

☒ Yes ☐ No

(NCDOT only) T.I.P. or state project number:

B-5947

WBS # *

45983.1.1

(for NCDOT use only)

1a. Type(s) of approval sought from the Corps: *

- ☒ Section 404 Permit (wetlands, streams and waters, Clean Water Act)
☐ Section 10 Permit (navigable waters, tidal waters, Rivers and Harbors Act)

Has this PCN previously been submitted? *

☐ Yes
☒ No

1b. What type(s) of permit(s) do you wish to seek authorization? *

- ☐ Nationwide Permit (NWP)
☒ Regional General Permit (RGP)
☐ Standard (IP)

1c. Has the NWP or GP number been verified by the Corps? *

☒ Yes ☐ No

Regional General Permit (RGP) Number:

201902350 - Work associated with bridge construction, widening, replacement, and interchanges

RGP Numbers (for multiple RGPs):

List all RGP numbers you are applying for not on the drop down list.

1d. Type(s) of approval sought from the DWR: *

check all that apply

- | | |
|---|--|
| <input checked="" type="checkbox"/> 401 Water Quality Certification - Regular | <input type="checkbox"/> 401 Water Quality Certification - Express |
| <input type="checkbox"/> Non-404 Jurisdictional General Permit | <input checked="" type="checkbox"/> Riparian Buffer Authorization |
| <input type="checkbox"/> Individual 401 Water Quality Certification | |

Pre-Filing Meeting Information

Before submitting this form please ensure you have submitted the Pre-Filing Meeting Request Form as we will not be able to accept your application without this important first step. The Pre-Filing Meeting Request Form is used in accordance with 40 C.F.R. Section 121.4(a) "At least 30 days prior to submitting a certification request, the project proponent shall request a pre-filing meeting with the certifying

agency" and in accordance with 40 C.F.R. Section 121.5(b)(7), and (c)(5) all certification requests shall include documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request. Click [here](#) to read more information on when this form is needed prior to application submission or [here](#) to view the form.

Is this a courtesy copy notification? *

☐ Yes ☒ No

ID#

20210958

Version

1

Pre-filing Meeting or Request Date

6/17/2021

Attach documentation of Pre-Filing Meeting Request here:

Click the upload button or drag and drop files here to attach document

20210958 Ver 1_Meeting Request Review_20210517.pdf

623.86KB

File type must be PDF

1e. Is this notification solely for the record because written approval is not required?

*

For the record only for DWR 401 Certification:

☐ Yes ☒ No

For the record only for Corps Permit:

☐ Yes ☒ No

1f. Is this an after-the-fact permit application? *

☐ Yes ☒ No

1g. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts?

If so, attach the acceptance letter from mitigation bank or in-lieu fee program.

☒ Yes ☐ No

Acceptance Letter Attachment

Click the upload button or drag and drop files here to attach document

Accept_B-5947.pdf

214.91KB

FILE TYPE MUST BE PDF

1h. Is the project located in any of NC's twenty coastal counties? *

☐ Yes ☒ No

1j. Is the project located in a designated trout watershed? *

☐ Yes ☒ No

Link to trout information: <http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx>

B. Applicant Information



1a. Who is the Primary Contact? *

NCDOT

1c. Primary Contact Phone: *

(xxx)xxx-xxxx

(919)707-6111

1b. Primary Contact Email: *

jdilday@ncdot.gov

1d. Who is applying for the permit? *

☒ Owner

(Check all that apply)

☐ Applicant (other than owner)

1e. Is there an Agent/Consultant for this project? *

☐ Yes ☒ No

2. Owner Information

2a. Name(s) on recorded deed: *

NCDOT

2b. Deed book and page no.:

2c. Contact Person:

(for Corporations)

2d. Address *

Street Address

1000 Birch Ridge Drive

Address Line 2

City

Raleigh

Postal / Zip Code

27610

State / Province / Region

NC

Country

USA

2e. Telephone Number: *

(xxx)xxx-xxxx

(919)707-6000

2f. Fax Number:

(xxx)xxx-xxxx

2g. Email Address: *

pharris@ncdot.gov

C. Project Information and Prior Project History

1. Project Information

1a. Name of project: *

Bridge 91 over Tar River on NC581 (B-5947-Central)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town: *

Spring Hope

2. Project Identification

2a. Property Identification Number:

(tax PIN or parcel ID)

2b. Property size:

(in acres)

2c. Project Address

Street Address

Address Line 2

City

Postal / Zip Code

State / Province / Region

Country

2d. Site coordinates in decimal degrees

Please collect site coordinates in decimal degrees. Use between 4-6 digits (unless you are using a survey-grade GPS device) after the decimal place as appropriate, based on how the location was determined. (For example, most mobile phones with GPS provide locational precision in decimal degrees to map coordinates to 5 or 6 digits after the decimal place.)

Latitude: *

35.882188

ex: 34.208504

Longitude: *

-78.089448

-77.796371

3. Surface Waters

3a. Name of the nearest body of water to proposed project: *

Tar River

3b. Water Resources Classification of nearest receiving water: *

WS-V; NSW

[Surface Water Lookup](#)

3c. What river basin(s) is your project located in? *

Tar-Pamlico

3d. Please provide the 12-digit HUC in which the project is located. *

030201010603

[River Basin Lookup](#)

4. Project Description and History

4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: *

Land use in the project vicinity consists primarily of forested communities with minor residential development and agricultural fields.

4b. Have Corps permits or DWR certifications been obtained for this project (including all prior phases) in the past? *

☐ Yes ☒ No ☐ Unknown

4f. List the total estimated acreage of all existing wetlands on the property:

2.3

4g. List the total estimated linear feet of all existing streams on the property:

(intermittent and perennial)

400

4h. Explain the purpose of the proposed project: *

The purpose of this project is to replace a structurally deficient bridge.

4i. Describe the overall project in detail, including indirect impacts and the type of equipment to be used: *

This project involves replacing 311-foot, 10 span bridge with a 330-foot, 3 span bridge on a new alignment approximately 45 feet upstream of the existing structure. The existing bridge will remain open during construction of the new bridge. Standard road building equipment, such as trucks, dozers and cranes will be used.

5. Jurisdictional Determinations

5a. Have the wetlands or streams been delineated on the property or proposed impact areas? *

☒ Yes ☐ No ☐ Unknown

Comments:

5b. If the Corps made a jurisdictional determination, what type of determination was made? *

☒ Preliminary ☐ Approved ☐ Not Verified ☐ Unknown ☐ N/A

Corps AID Number:

Example: SAW-2017-99999

SAW-2018-02174

5c. If 5a is yes, who delineated the jurisdictional areas?

Name (if known): Eric Black
Agency/Consultant Company: North State Engineering
Other:

5d. List the dates of the Corp jurisdiction determination or State determination if a determination was made by the Corps or DWR.

PJD received dated 5/31/2019

6. Future Project Plans

6a. Is this a phased project? *

☐ Yes ☒ No

Are any other NWP(s), regional general permit(s), or individual permits(s) used, or intended to be used, to authorize any part of the proposed project or related activity? This includes other separate and distant crossing for linear projects that require Department of the Army authorization but don't require pre-construction notification.

N/A

D. Proposed Impacts Inventory

1. Impacts Summary

1a. Where are the impacts associated with your project? (check all that apply):

☒ Wetlands ☐ Streams-tributaries ☒ Buffers
☒ Open Waters ☐ Pond Construction

2. Wetland Impacts

If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

"W." will be used in the table below to represent the word "wetland".

| 2a. Site # * (?) | 2a1 Reason * (?) | 2b. Impact type * (?) | 2c. Type of W. * | 2d. W. name * | 2e. Forested * | 2f. Type of Jurisdiction * (?) | 2g. Impact area * |
|------------------|------------------|-----------------------|----------------------------|-------------------|----------------|--------------------------------|-------------------|
| 1 | Roadway Fill | P | Bottomland Hardwood Forest | WA,WB, WC, WD, WF | Yes | Both | 0.510 (acres) |
| 1 | Mech. Clearing | P | Bottomland Hardwood Forest | WA,WF | Yes | Both | 0.110 (acres) |

2g. Total Temporary Wetland Impact
0.000

2g. Total Permanent Wetland Impact
0.620

2g. Total Wetland Impact
0.620

2i. Comments:

4. Open Water Impacts

If there are proposed impacts to lakes, ponds, estuaries, tributaries, sounds, the Atlantic Ocean, or any other open water of the U.S. then individually list all open water impacts below.

| 4a. Site # [*] (?) | 4a1. Impact Reason | 4b. Impact type [*] (?) | 4c. Name of waterbody (?) | 4d. Activity type [*] | 4e. Waterbody type [*] | 4f. Impact area [*] |
|-----------------------------|--------------------|----------------------------------|---------------------------|--------------------------------|---------------------------------|------------------------------|
| 1 | Ditch Outfall | P | Tar River | Stabilization | Tributary | 0.01 (acres) |
| 1 | Bridge Removal | T | Tar River | Causeway | Tributary | 0.08 (acres) |
| 1 | Work Bridge | T | Tar River | Bridge | Tributary | 0.01 (acres) |

4g. Total temporary open water Impacts:
0.09

4g. Total permanent open water impacts:
0.01

4g. Total open water impacts:
0.10

4h. Comments:

Causeways to be used to remove interior bents of existing bridge. Work bridge used to install the center span of new bridge.

6. Buffer Impacts (for DWR)

If project will impact a protected riparian buffer, then complete the chart below. Individually list all buffer impacts below.

6a. Project is in which protect basin(s)?^{*}

- Check all that apply.
- ☐ Neuse

☐ Catawba

☐ Goose Creek

☐ Other
- ☒ Tar-Pamlico

☐ Randleman

☐ Jordan Lake

| 6b. Impact Type [*] (?) | 6c. Per or Temp [*] (?) | 6d. Stream name [*] | 6e. Buffer mitigation required? [*] | 6f. Zone 1 impact [*] | 6g. Zone 2 impact [*] |
|----------------------------------|----------------------------------|------------------------------|--|--------------------------------|--------------------------------|
| 1-Bridge, Allowable | P | Tar River | No | 8,889 (square feet) | 6,270 (square feet) |

6h. Total buffer impacts:

| | Zone 1 | Zone 2 |
|--------------------------------|----------|----------|
| Total Temporary impacts: | 0.00 | 0.00 |
| Total Permanent impacts: | 8,889.00 | 6,270.00 |
| Total combined buffer impacts: | 8,889.00 | 6,270.00 |

6i. Comments:

E. Impact Justification and Mitigation



1. Avoidance and Minimization

1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing the project: *

The bridge will be replaced on a new alignment while maintaining traffic on the existing bridge. The new bridge will have no bents in the water. See stormwater management plan for additional minimization measures.

1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques: *

Existing bridge will be used to maintain traffic during construction of new bridge. NCDOT's Design Standards in Sensitive Watersheds will be adhered to. The temporary work bridge will have an opening and not completely span the river.

2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State

2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?

☒ Yes ☐ No

2c. If yes, mitigation is required by (check all that apply):

☐ DWR ☒ Corps

2d. If yes, which mitigation option(s) will be used for this project?

☐ Mitigation bank ☒ Payment to in-lieu fee program ☐ Permittee Responsible Mitigation

4. Complete if Making a Payment to In-lieu Fee Program

4a. Approval letter from in-lieu fee program is attached.

☒ Yes ☐ No

4b. Stream mitigation requested:

(linear feet)

0

4c. If using stream mitigation, what is the stream temperature:

NC Stream Temperature Classification Maps can be found under the Mitigation Concepts tab on the Wilmington District's [RIBITS](#) website.

4d. Buffer mitigation requested (DWR only):

(square feet)

0

4e. Riparian wetland mitigation requested:

(acres)

0.62

4f. Non-riparian wetland mitigation requested:

(acres)

0

4g. Coastal (tidal) wetland mitigation requested:

(acres)

0

4h. Comments

F. Stormwater Management and Diffuse Flow Plan (required by DWR)



*** Recent changes to the stormwater rules have required updates to this section .***

1. Diffuse Flow Plan

1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?

☒ Yes ☐ No

1b. All buffer impacts and high ground impacts require diffuse flow or other form of stormwater treatment. If the project is subject to a state implemented riparian buffer protection program, include a plan that fully documents how diffuse flow will be maintained.

All Stormwater Control Measures (SCM)s must be designed in accordance with the [NC Stormwater Design Manual](#). Associated supplement forms and other documentation shall be provided.

What type of SCM are you providing?

- ☐ Level Spreader
☐ Vegetated Conveyance (lower SHWT)
☐ Wetland Swale (higher SHWT)
☐ Other SCM that removes minimum 30% nitrogen
☒ Proposed project will not create concentrated stormwater flow through the buffer

(check all that apply)

For a list of options to meet the diffuse flow requirements, click [here](#).

2. Stormwater Management Plan

2a. Is this a NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250? *

☒ Yes ☐ No

Comments:



1. Environmental Documentation

1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land? *

☒ Yes ☐ No

1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)? *

☒ Yes ☐ No

1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) *

☐ Yes ☒ No

Comments: *

Type I or II CEs do not require review by the State Clearing House.

2. Violations (DWR Requirement)

2a. Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)? *

☐ Yes ☒ No

3. Cumulative Impacts (DWR Requirement)

3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality? *

☐ Yes ☒ No

3b. If you answered "no," provide a short narrative description.

Due to minimal transportation impact resulting from this bridge replacement, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect or cumulative effects study will not be necessary.

4. Sewage Disposal (DWR Requirement)

4a. Is sewage disposal required by DWR for this project? *

☐ Yes ☐ No ☒ N/A

5. Endangered Species and Designated Critical Habitat (Corps Requirement)

5a. Will this project occur in or near an area with federally protected species or habitat? *

☒ Yes ☐ No

5b. Have you checked with the USFWS concerning Endangered Species Act impacts? *

☒ Yes ☐ No

5c. If yes, indicate the USFWS Field Office you have contacted.

Raleigh

5d. Is another Federal agency involved? *

☐ Yes ☒ No ☐ Unknown

5e. Is this a DOT project located within Division's 1-8? *

☒ Yes ☐ No

5j. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? *

NC NHP database; USFWS- IPAC review for protected species which include Neuse River waterdog, Carolina madtom, Atlantic pigtoe, Tar River spiny mussel, yellow lance, and Michaux's sumac. Surveys were conducted for sumac updated 6/25/2020, no specimens observed-biological conclusion of No Effect. Due to this project occurring within an Identified Stream Reach for all the listed aquatic species, biological conclusions of May Affect, Likely to Adversely Affect were rendered. To satisfy Section 7, NCDOT will make payment to the NC Nongame Aquatic Species Fund for both freshwater mussels and Neuse River waterdog/Carolina madtom as detailed in the Programmatic Biological Opinions (PBOs) for the species. Adherence to the construction conditions detailed in the PBOs will be adhered to.

6. Essential Fish Habitat (Corps Requirement)

6a. Will this project occur in or near an area designated as an Essential Fish Habitat? *

☐ Yes ☒ No

6b. What data sources did you use to determine whether your site would impact an Essential Fish Habitat? *

NMFS county index

7. Historic or Prehistoric Cultural Resources (Corps Requirement)

Link to the State Historic Preservation Office Historic Properties Map (does not include archaeological data: <http://gis.ncdcr.gov/hpweb/>)

7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)? *

☐ Yes ☒ No

7b. What data sources did you use to determine whether your site would impact historic or archeological resources? *

NEPA documentation

8. Flood Zone Designation (Corps Requirement)

Link to the FEMA Floodplain Maps: <https://msc.fema.gov/portal/search>

8a. Will this project occur in a FEMA-designated 100-year floodplain? *

☒ Yes ☐ No

8b. If yes, explain how project meets FEMA requirements:

NCDOT Hydraulics Unit coordination with FEMA

8c. What source(s) did you use to make the floodplain determination? *

FEMA maps

Miscellaneous

Comments

Please use the space below to attach all required documentation or any additional information you feel is helpful for application review. Documents should be combined into one file when possible, with a Cover Letter, Table of Contents, and a Cover Sheet for each Section preferred.

Click the upload button or drag and drop files here to attach document

B-5947 General Nash November 18 2021.pdf

5.88MB

File must be PDF or KMZ

Signature

*

☒ By checking the box and signing below, I certify that:

- The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief; and
- The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.
- I have given true, accurate, and complete information on this form;
- I agree that submission of this PCN form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the PCN form.

Full Name: *

Mack Christopher Rivenbark, III

Signature *

Mack C. Rivenbark, III

Date

11/18/2021

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary



October 22, 2021

Mr. Philip S. Harris, P.E., CPM
Environmental Analysis Unit
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

Subject: Mitigation Acceptance Letter:

B-5947, Replace Bridge 630091 over the Tar River on NC 581, Nash County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory wetland mitigation for the subject project. Based on the information supplied by you on October 21, 2021, the impacts are located in CU 03020101 of the Tar-Pamlico River basin in the Northern Inner Coastal Plain (NICP) Eco-Region, and are as follows:

| Stream and Wetlands | River Basin | CU Location | Eco-Region | Stream | | | Wetlands | | |
|---------------------|-------------|-------------|------------|--------|------|------|----------|--------------|---------------|
| | | | | Cold | Cool | Warm | Riparian | Non-Riparian | Coastal Marsh |
| Impacts | Tar-Pamlico | 03020101 | NICP | 0 | 0 | 0 | 0.620 | 0 | 0 |

*Some of the wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

DMS will commit to implement sufficient compensatory wetland mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010 for unanticipated NCDOT impacts. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

If you have any questions or need additional information, please contact Beth Harmon at 919-707-8420.

Sincerely,



A handwritten signature in cursive script that reads "Elizabeth Harmon".

James B. Stanfill
DMS Asset Management Supervisor

cc: Mr. Monte Matthews – Raleigh Regulatory Field Office
Ms. Amy Chapman, NCDWR
File: B-5947



North Carolina Department of Environmental Quality | Division of Mitigation Services
217 West Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652
919.707.8976


|  <div style="text-align: center;"> North Carolina Department of Transportation Highway Stormwater Program STORMWATER MANAGEMENT PLAN FOR NCDOT PROJECTS </div>  | | | | | | | | | |
|--|--|---|--|--|--|--|--|-------------------------------------|--|
| (Version 2.08; Released April 2018) | | | | | | | | | |
| WBS Element: | | TIP No.: | | County(ies): | | Page 1 of 1 | | | |
| General Project Information | | | | | | | | | |
| WBS Element: | | 45983.1.1 | | TIP Number: | | B-5947 | | Project Type: Bridge Replacement | |
| NCDOT Contact: | | Chad Coggins | | Contractor / Designer: | | Wetherill Engineering, Inc. / Harinder Singh, PE | | | |
| | | Address: | | | | Address: | | | |
| | | Highway Division 4 509 Ward Blvd., PO Box 3165 Wilson, NC 27895 | | | | 1223 Jones Franklin Rd. Raleigh, NC 27606 | | | |
| | | Phone: 252-237-6164 | | | | Phone: 919-851-8077 | | | |
| | | Email: ccoggins@ncdot.gov | | | | Email: hsingh@wetherilleng.com | | | |
| City/Town: | | N/A | | County(ies): | | Nash | | | |
| River Basin(s): | | Tar-Pamlico | | CAMA County? | | No | | | |
| Wetlands within Project Limits? | | Yes | | | | | | | |
| Project Description | | | | | | | | | |
| Project Length (lin. miles or feet): | | 0.47 | | Surrounding Land Use: | | Rural, Wooded | | | |
| | | Proposed Project | | | | Existing Site | | | |
| Project Built-Upon Area (ac.) | | 1.5 ac. | | | | 1.1 ac. | | | |
| Typical Cross Section Description: | | The proposed section consists of two 12' width lanes. Paved shoulders on bridge approach a variable from 5.0' to 7.5'. | | | | Existing road consists of two 12' lanes with variable width grass shoulders. | | | |
| Annual Avg Daily Traffic (veh/hr/day): | | Design/Future: 6300 | | Year: 2040 | | Existing: 5300 | | Year: 2021 | |
| General Project Narrative: (Description of Minimization of Water Quality Impacts) | | The proposed bridge is a 330' (1@100', 1@145', 1@85) Prestressed Concrete Girder bridge with 4' deep caps. This bridge will be on a new alignment located 45' upstream from the existing alignment. The deck drains on the proposed bridge will not discharge directly over the stream and will be outside the buffer zones. The existing interior bents will be removed/cut off at mud line and a work bridge will be needed to construction of the proposed bridge. | | | | | | | |
| Waterbody Information | | | | | | | | | |
| Surface Water Body (1): | | Tar River | | NCDWR Stream Index No.: | | 28-(24.7) | | | |
| NCDWR Surface Water Classification for Water Body | | Primary Classification: | | Water Supply V (WS-V) | | | | | |
| | | Supplemental Classification: | | Nutrient Sensitive Waters (NSW) | | | | | |
| Other Stream Classification: | | None | | | | | | | |
| Impairments: | | None | | | | | | | |
| Aquatic T&E Species? | | No | | Comments: | | | | | |
| NRTR Stream ID: | | | | | | Buffer Rules in Effect: | | Tar-Pamlico | |
| Project Includes Bridge Spanning Water Body? | | Yes | | Deck Drains Discharge Over Buffer? | | No | | Dissipator Pads Provided in Buffer? | |
| | | | | (If yes, provide justification in the General Project Narrative) | | (If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative) | | N/A | |
| Deck Drains Discharge Over Water Body? | | No | | | | | | | |
| | | | | (If yes, provide justification in the General Project Narrative) | | | | | |

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet RW02C-1 TO RW02C-2 For Survey Control Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PERMIT DRAWING
SHEET 1 OF 12

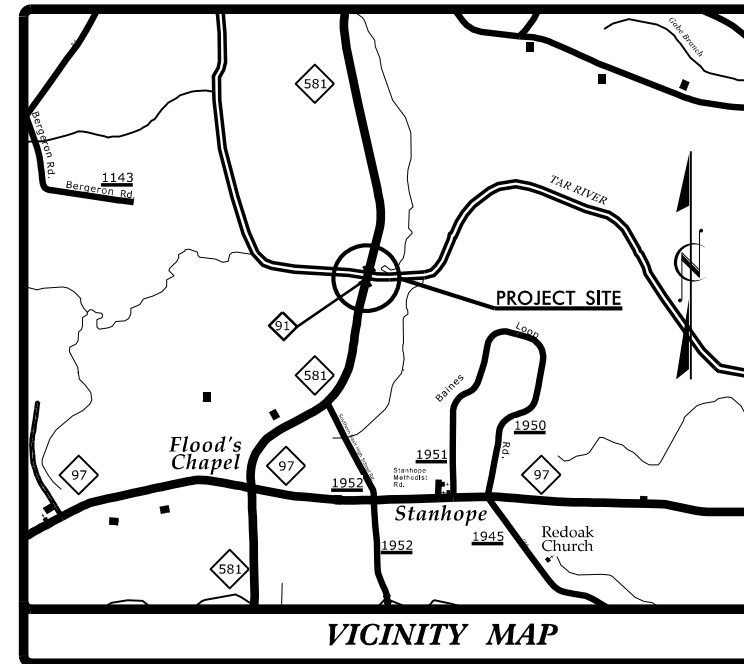
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | B-5947 | 1 | |
| STATE PROJ. NO. | P.A. PROJ. NO. | DESCRIPTION | |
| 45983.1.1 | | PE | |
| 45983.2.1 | | ROW, UTIL. | |
| | | | |
| | | | |
| | | | |
| | | | |



1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

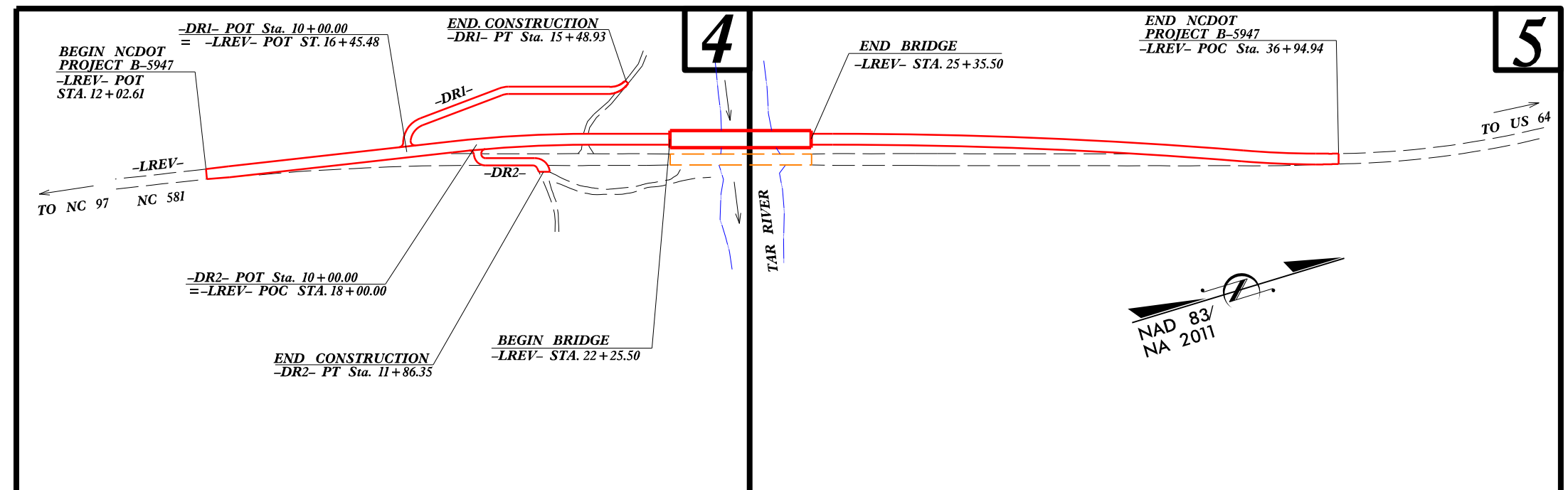
BRIDGE #630091



LOCATION: BRIDGE NO. 630091 OVER TAR RIVER
ON NC 581

TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURE

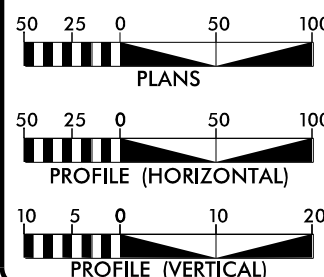
WETLAND AND SURFACE WATER IMPACTS PERMIT



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD .
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2020 = 5,300
ADT 2040 = 6,300
K = 10 %
D = 55 %
T = 5 % *
V = 60 MPH
* (TTST = 1% +
DUAL = 4%)
FUNC CLASS =
MAJOR COLLECTOR
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY PROJECT B-5947 = 0.413 MILES
LENGTH STRUCTURE PROJECT B-5947 = 0.059 MILES
TOTAL LENGTH PROJECT B-5947 = 0.472 MILES

NCDOT CONTACT: DAVID STUTTS, PE
PROJECT ENGINEER - PEF/PROGRAM MGT.

Prepared for:
DIVISION OF HIGHWAYS
STRUCTURES MANAGEMENT UNIT
1000 BIRCH RIDGE DRIVE RALEIGH NC, 27610

2018 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:
DECEMBER 23, 2019

LETTING DATE:
DECEMBER 22, 2020

EDWARD G. WETHERILL, PE
PROJECT ENGINEER

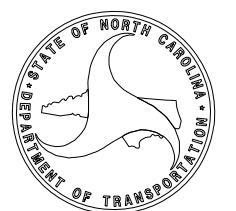
GREG S. PURVIS, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

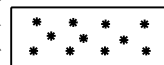
SIGNATURE: P.E.

ROADWAY DESIGN
ENGINEER

SIGNATURE: P.E.



BEGIN NCDOT
PROJECT B-5947
-LREV- POT
STA. 11+23.00



DENOTES MECHANIZED
CLEARING



DENOTES TEMPORARY
IMPACTS IN SURFACE WATER



DENOTES FILL IN
WETLAND



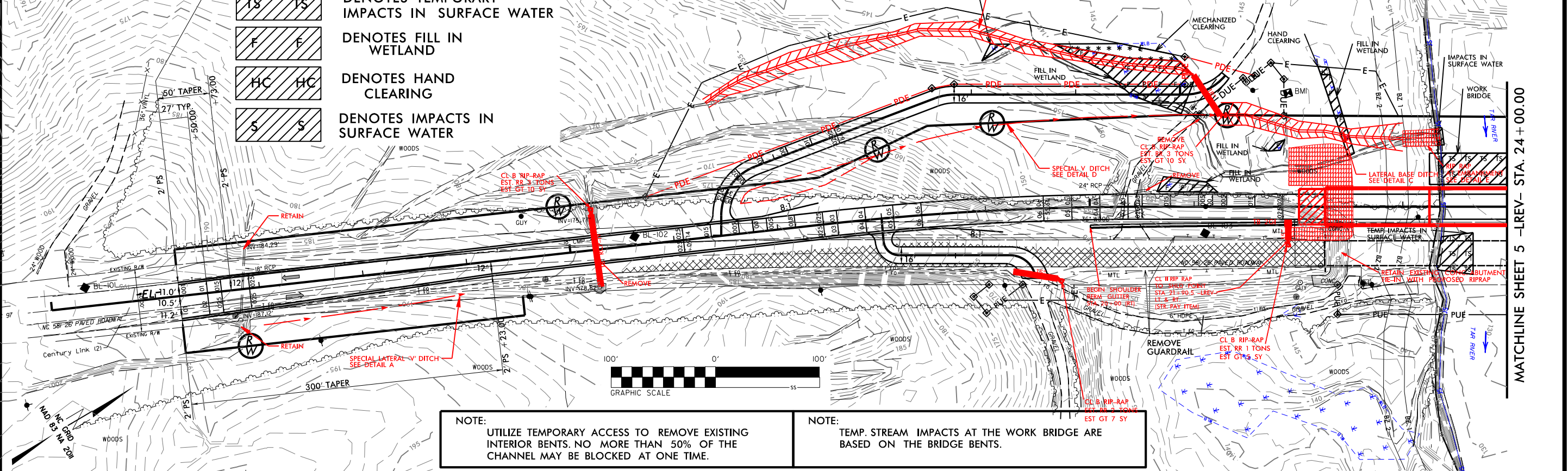
DENOTES HAND
CLEARING



DENOTES IMPACTS IN
SURFACE WATER

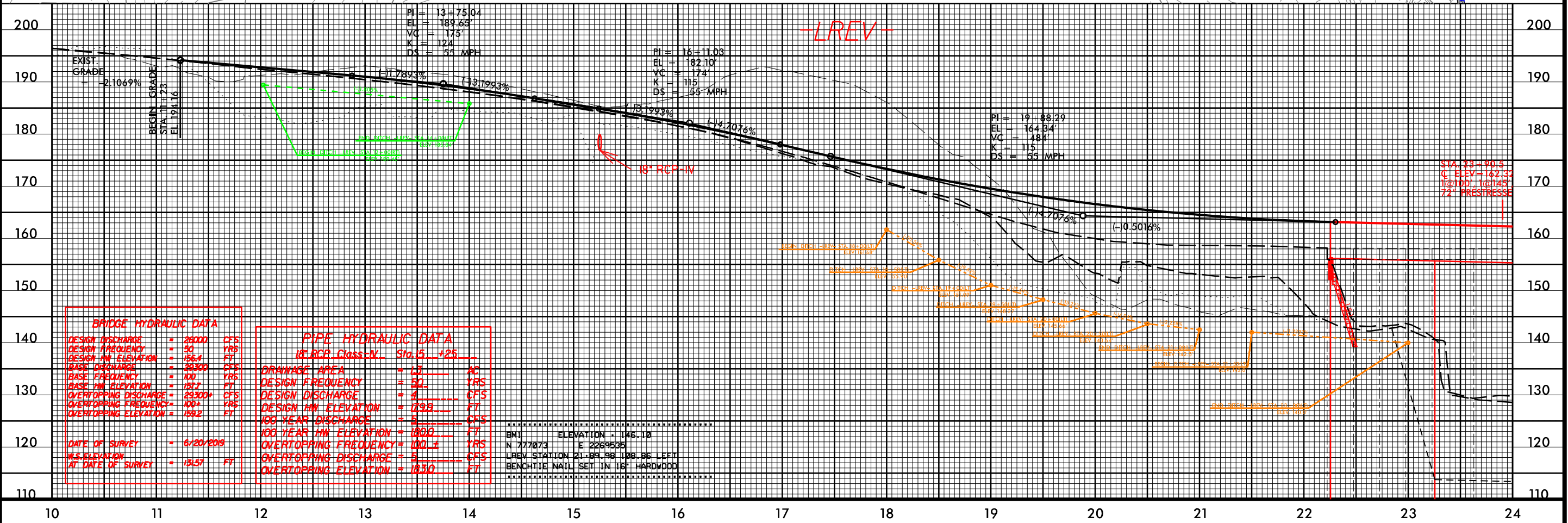
PERMIT DRAWING
SHEET 2 OF 12

| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| B-5947 | 4 |
| | |
| 1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107 | |
| TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION | |



NOTE:
UTILIZE TEMPORARY ACCESS TO REMOVE EXISTING
INTERIOR BENTS. NO MORE THAN 50% OF THE
CHANNEL MAY BE BLOCKED AT ONE TIME.


NOTE:
TEMP. STREAM IMPACTS AT THE WORK BRIDGE ARE
BASED ON THE BRIDGE BENTS.



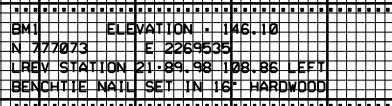
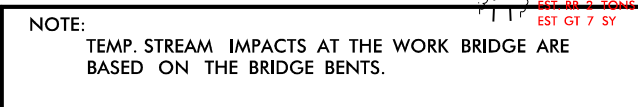
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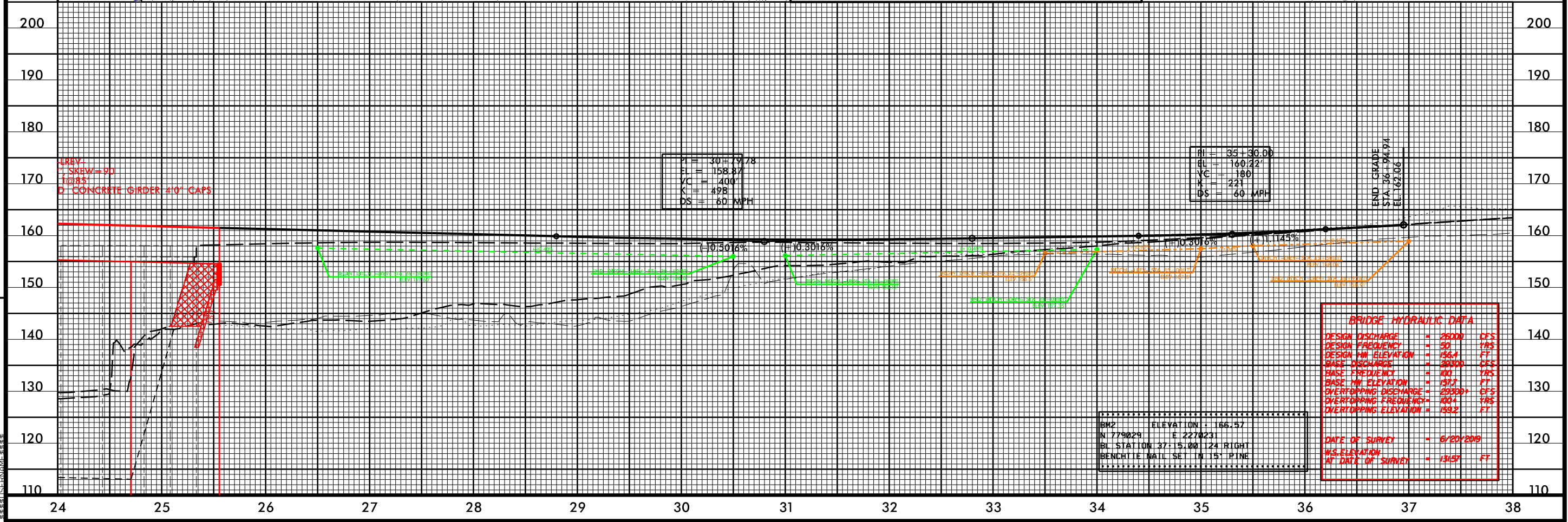
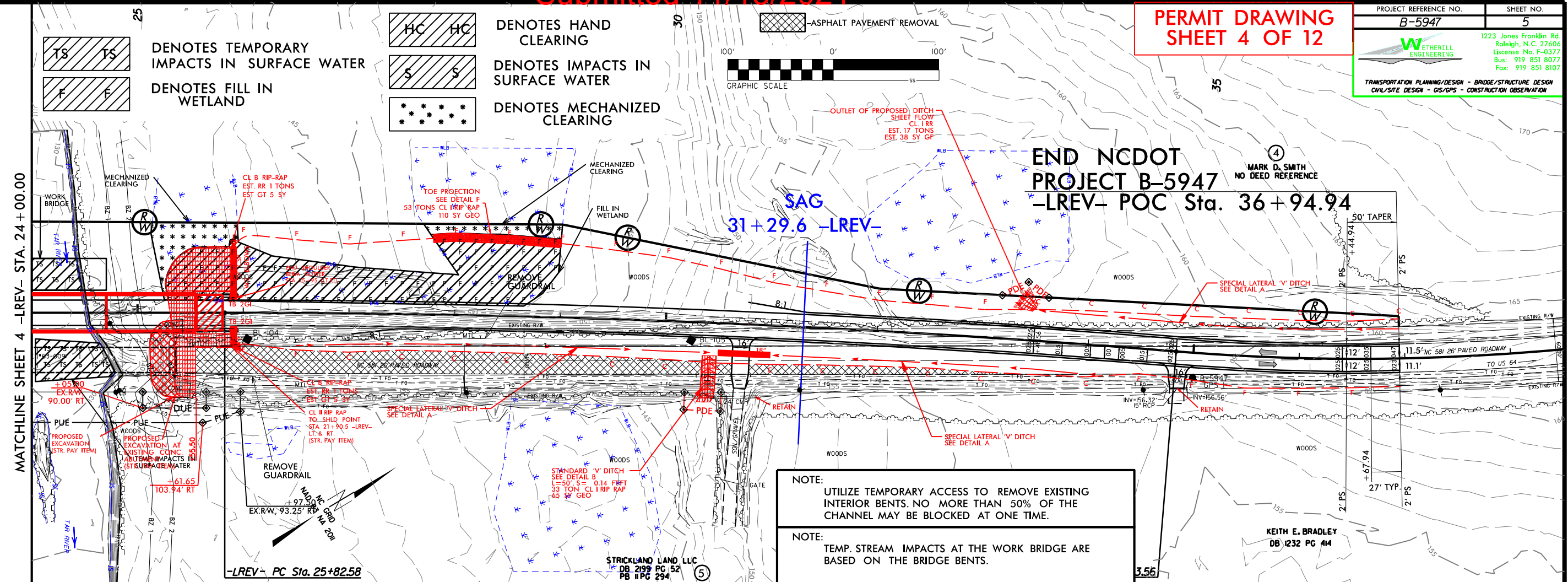
DENOTES IMPACTS IN
SURFACE WATER

| | |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| B-5947 | 4 |


 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

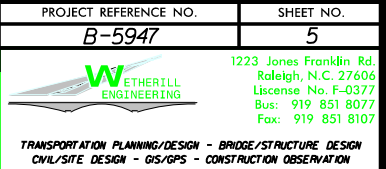
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION





| BRIDGE HYDRAULIC DATA | |
|--------------------------------|--------------|
| DESIGN DISCHARGE | = 26000 CFS |
| DESIGN FREQUENCY | = 50 YRS |
| DESIGN HW ELEVATION | = 156.4 FT |
| BASE DISCHARGE | = 26300 CFS |
| BASE FREQUENCY | = 100 YRS |
| BASE HW ELEVATION | = 157.2 FT |
| OVERTOPPING DISCHARGE | = 29300+ CFS |
| OVERTOPPING FREQUENCY | = 100+ YRS |
| OVERTOPPING ELEVATION | = 158.2 FT |
| DATE OF SURVEY | = 6/20/2019 |
| WS ELEVATION AT DATE OF SURVEY | = 134.59 FT |

SYSTEM\$DGN\$\$\$\$\$



| WETLAND PERMIT IMPACT SUMMARY | | | | | | | | | | | | |
|-------------------------------|---------------------------|-----------------------|---------------------------------|-----------------------------|-----------------------------|--------------------------------------|--------------------------------|---------------------------|-----------------------|---|-------------------------------------|----------------------------|
| | | | WETLAND IMPACTS | | | | | SURFACE WATER IMPACTS | | | | |
| Site No. | Station (From/To) | Structure Size / Type | Permanent Fill In Wetlands (ac) | Temp. Fill In Wetlands (ac) | Excavation in Wetlands (ac) | Mechanized Clearing in Wetlands (ac) | Hand Clearing in Wetlands (ac) | Permanent SW impacts (ac) | Temp. SW impacts (ac) | Existing Channel Impacts Permanent (ft) | Existing Channel Impacts Temp. (ft) | Natural Stream Design (ft) |
| 1 | -LREV- 10+00 to 41+53 | Roadway and Bridge | 0.51 | | | 0.11 | < 0.01 | < 0.01 | 0.08 | 20 | | |
| 1 | -LREV- 23+25.5 to 24+70.5 | Temporary Work Bridge | | | | | | | < 0.01 | | | |
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| TOTALS*: | | | 0.51 | | | 0.11 | < 0.01 | < 0.01 | 0.08 | 0 | 0 | 0 |

*Rounded totals are sum of actual impacts

NOTES:
 Utilize temporary access to remove existing interior bents. No more than 50% of channel may be blocked at one time.
 The Temp. SW Impacts at existing bridge are based on the use of a causeway.

The Temp. Stream Impacts at work bridge are based on impacts from bridge bents (span arrangement to be determined by contractor).
 The Permanent SW impact is due to riprap embankment (131 sq ft).

NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

B-5947

NASH CO.

8/3/2020

SHEET

6

OF

12

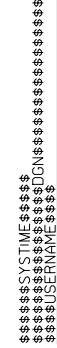
8/23/99



WLB



—LREV—



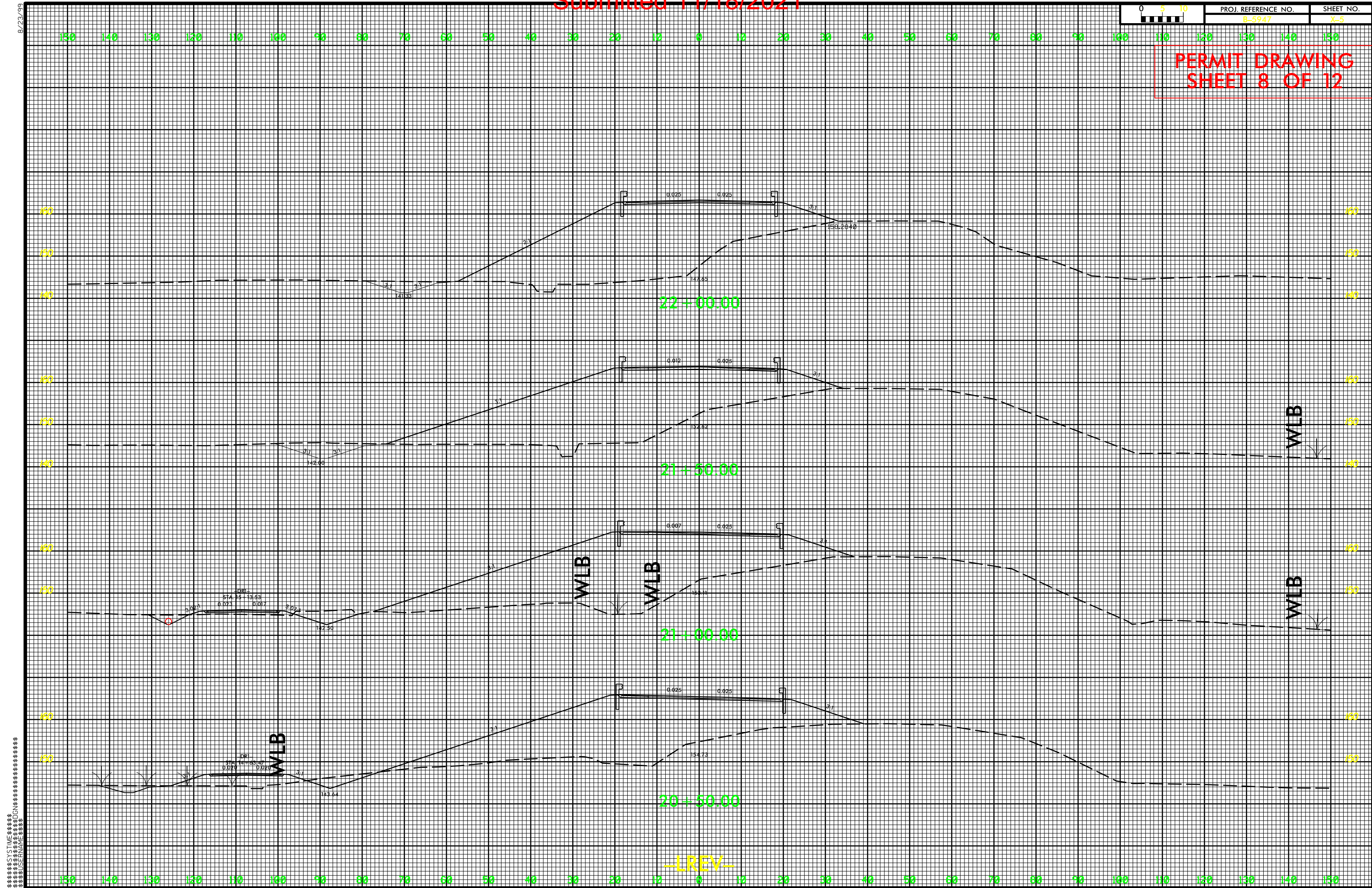
8/23/99



PROJ. REFERENCE NO.
B-5947

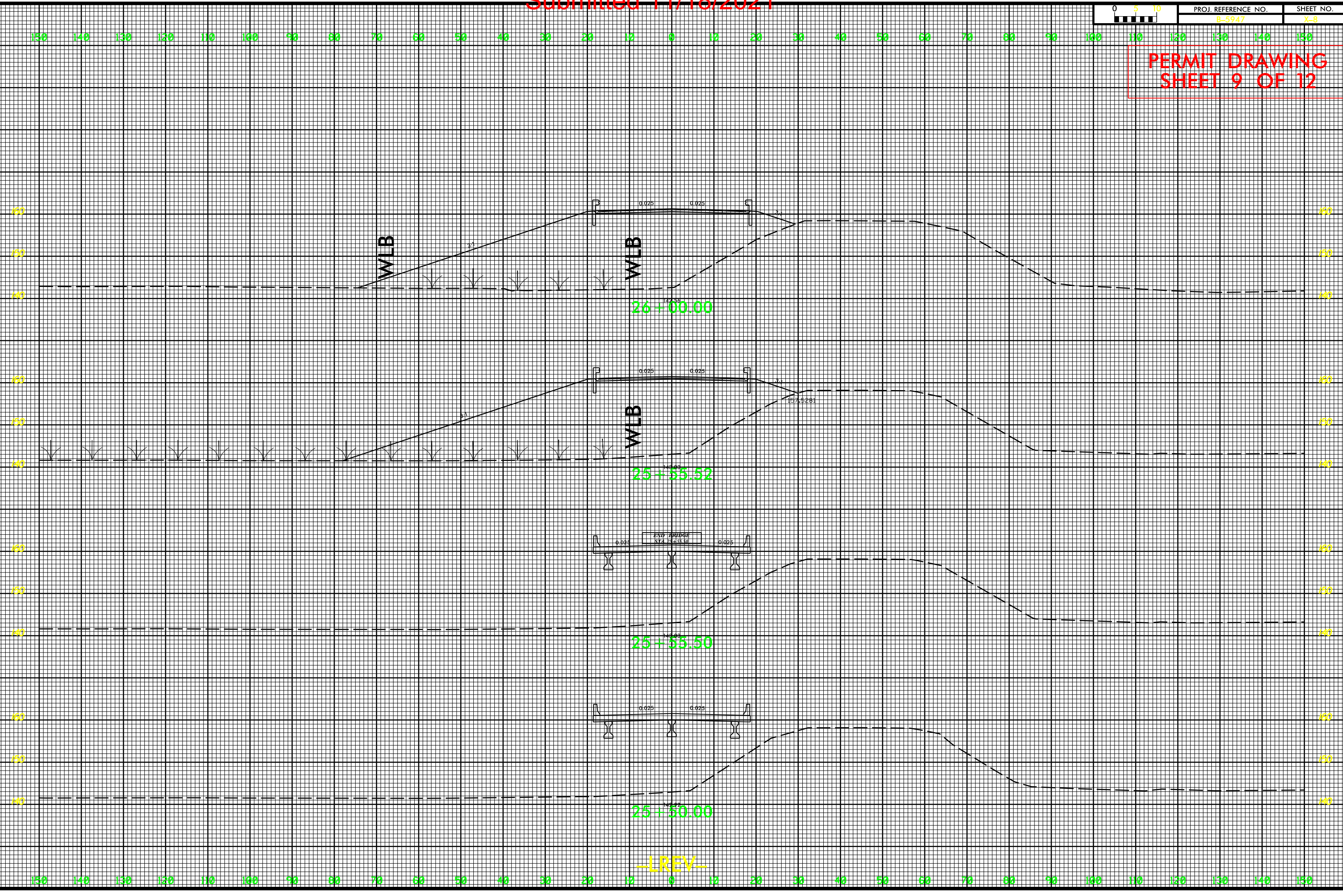
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|-----------|
| SHEET NO. |
| X-5 |

PERMIT DRAWING
SHEET 8 OF 12



8/23/99

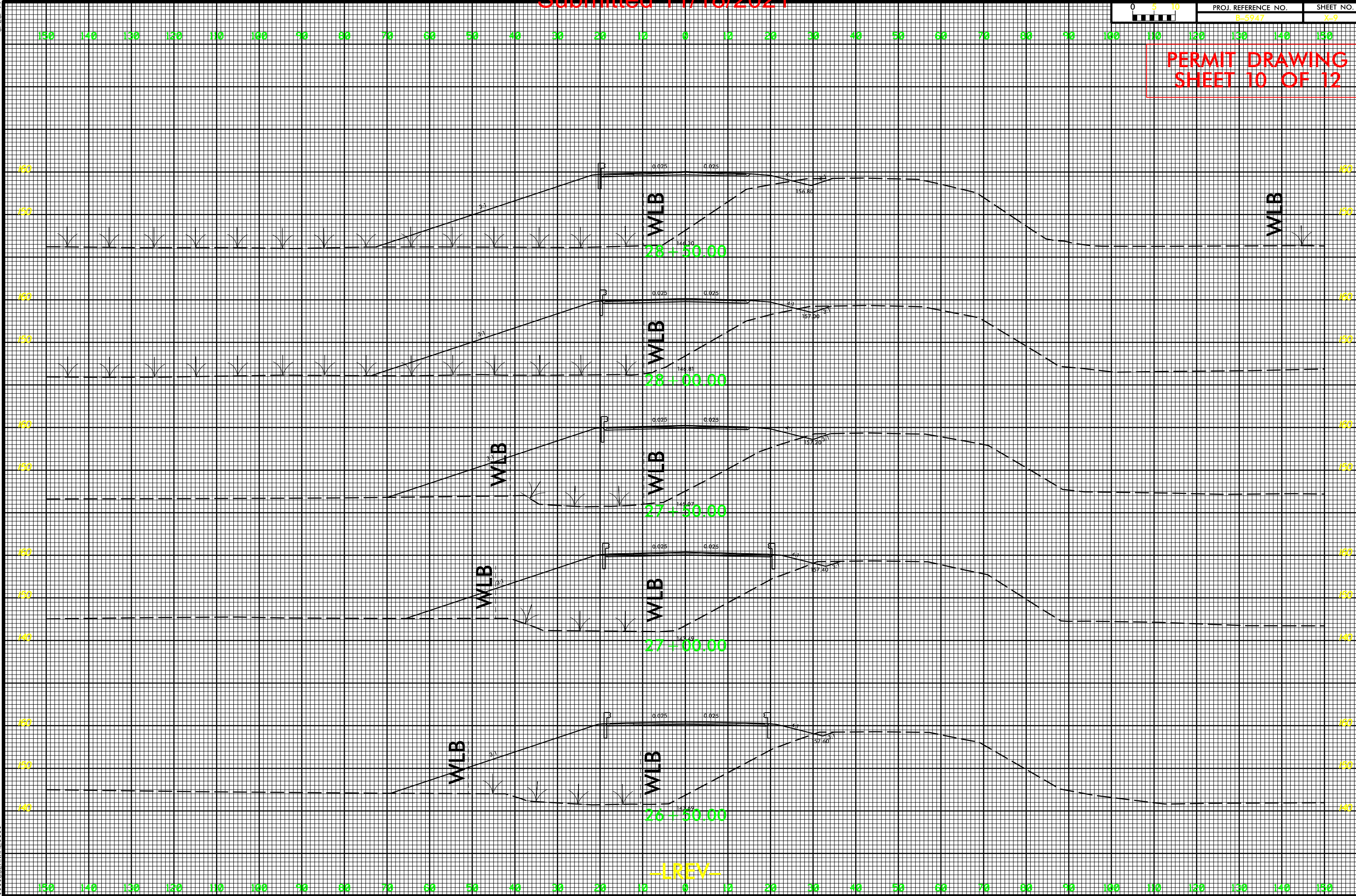
PERMIT DRAWING
SHEET 9 OF 12



SYSTEMS
DESIGN
INCORPORATING
SPECIALTY
SERVICES

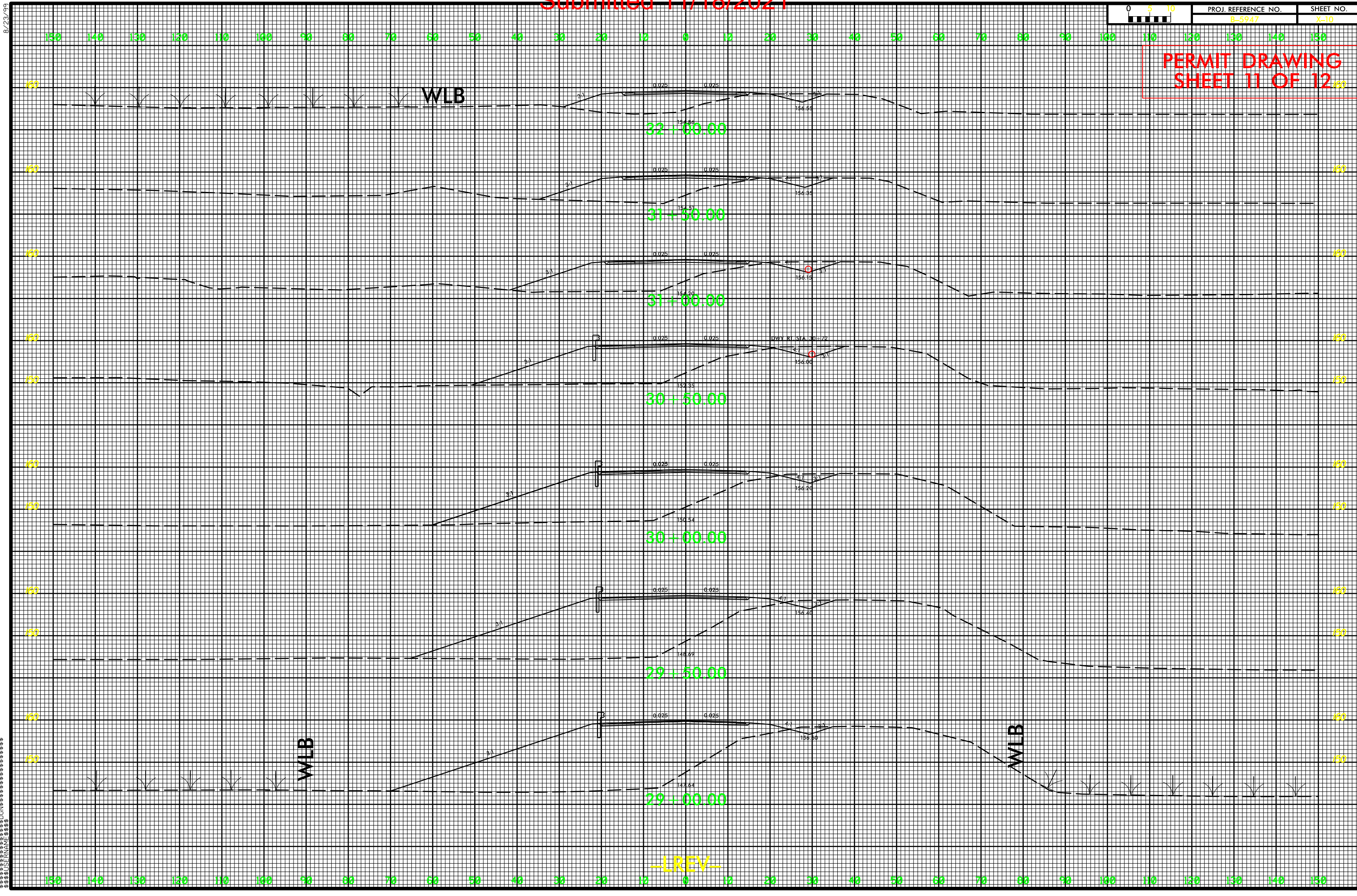
SHEET NO.
X-9

PERMIT DRAWING
SHEET 10 OF 12



8/23/99

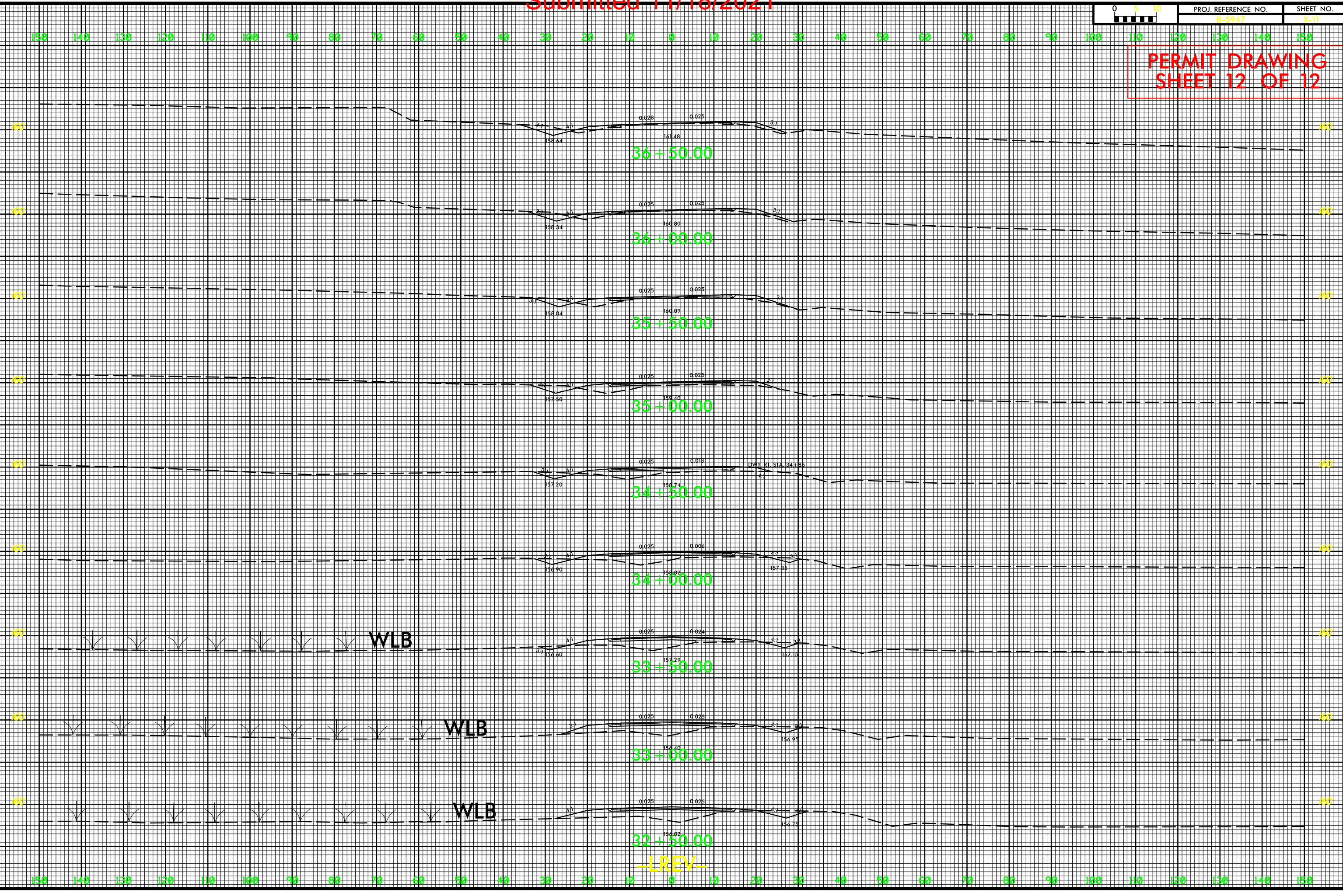
PERMIT DRAWING
SHEET 11 OF 12



SYSTEMS
DESIGN
INC.
11/18/2021

8/23/99

PERMIT DRAWING
SHEET 12 OF 12



See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet RW02C-1 TO RW02C-2 For Survey Control Sheets

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

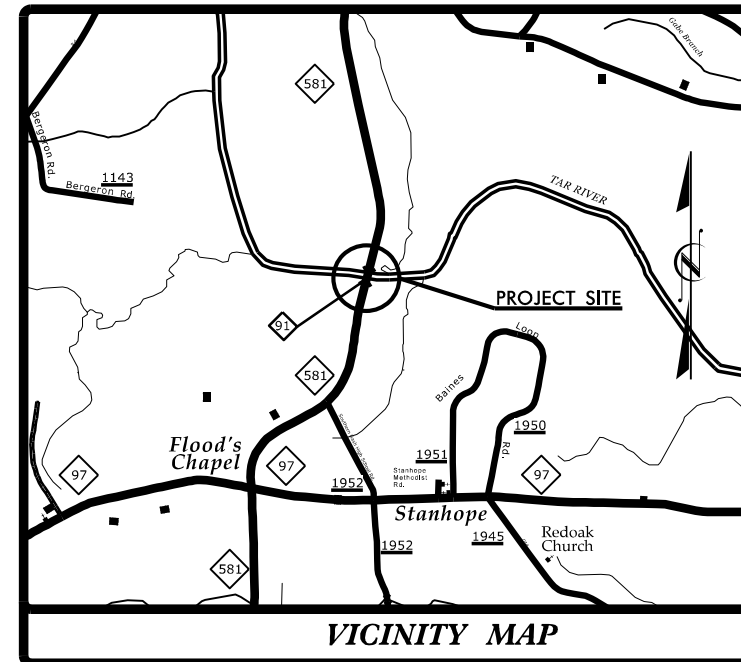
**BUFFER DRAWING
SHEET 1 OF 4**

NASH COUNTY

**LOCATION: BRIDGE NO. 630091 OVER TAR RIVER
ON NC 581**

TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURE

BUFFER IMPACTS PERMIT



VICINITY MAP

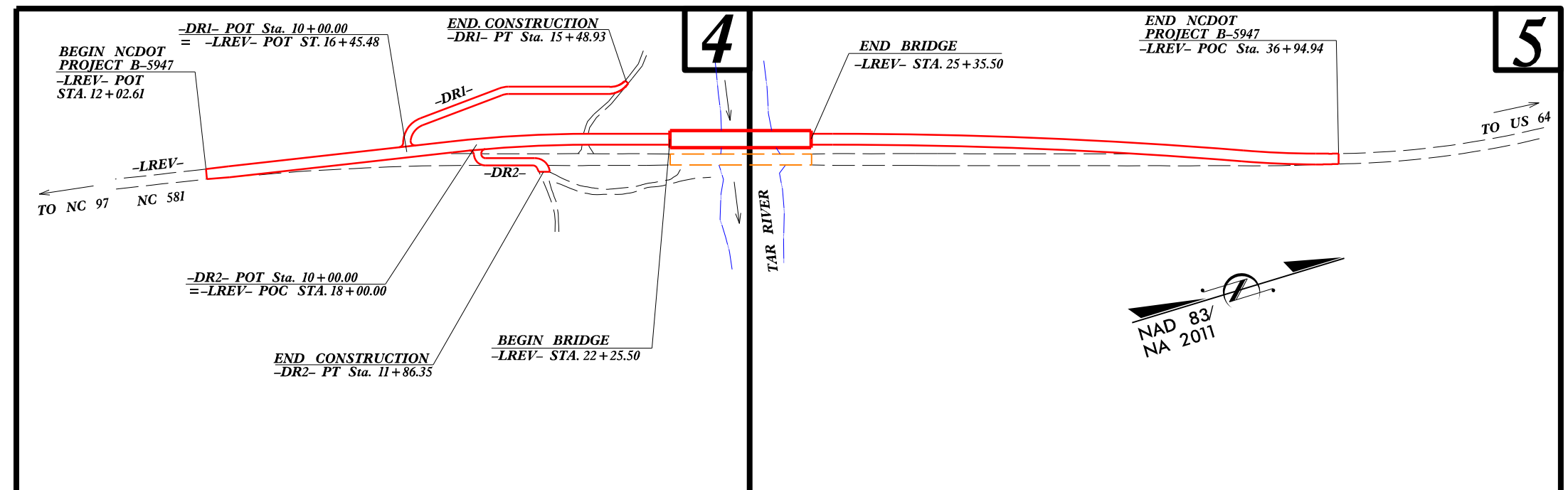
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | B-5947 | 1 | |
| STATE PROJ. NO. | P.A. PROJ. NO. | DESCRIPTION | |
| 45983.1.1 | | PE | |
| 45983.2.1 | | ROW, UTIL. | |
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1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

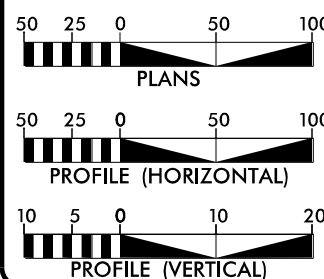
BRIDGE #630091



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2020 = 5,300
ADT 2040 = 6,300
K = 10 %
D = 55 %
T = 5 % *
V = 60 MPH
* (TTST = 1% +
DUAL = 4%)
FUNC CLASS =
MAJOR COLLECTOR
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY PROJECT B-5947 = 0.413 MILES
LENGTH STRUCTURE PROJECT B-5947 = 0.059 MILES
TOTAL LENGTH PROJECT B-5947 = 0.472 MILES

NCDOT CONTACT: **DAVID STUTTS, PE**
PROJECT ENGINEER - PEP/PROGRAM MGT.

Prepared for:
**DIVISION OF HIGHWAYS
STRUCTURES MANAGEMENT UNIT**
1000 BIRCH RIDGE DRIVE RALEIGH NC, 27610

2018 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:
DECEMBER 23, 2019

LETTING DATE:
DECEMBER 22, 2020

EDWARD G. WETHERILL, PE
PROJECT ENGINEER

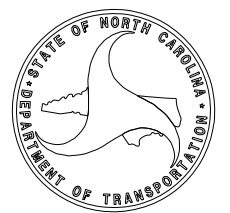
GREG S. PURVIS, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

**ROADWAY DESIGN
ENGINEER**

SIGNATURE: _____ P.E.



PROJECT: B-5947

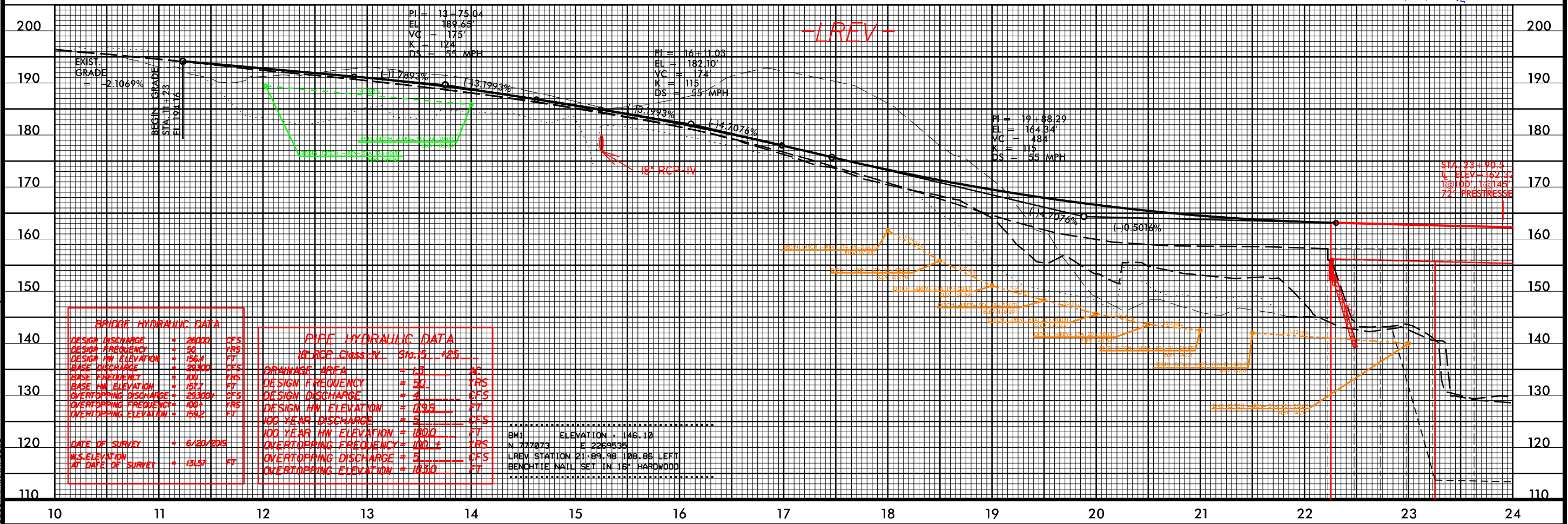
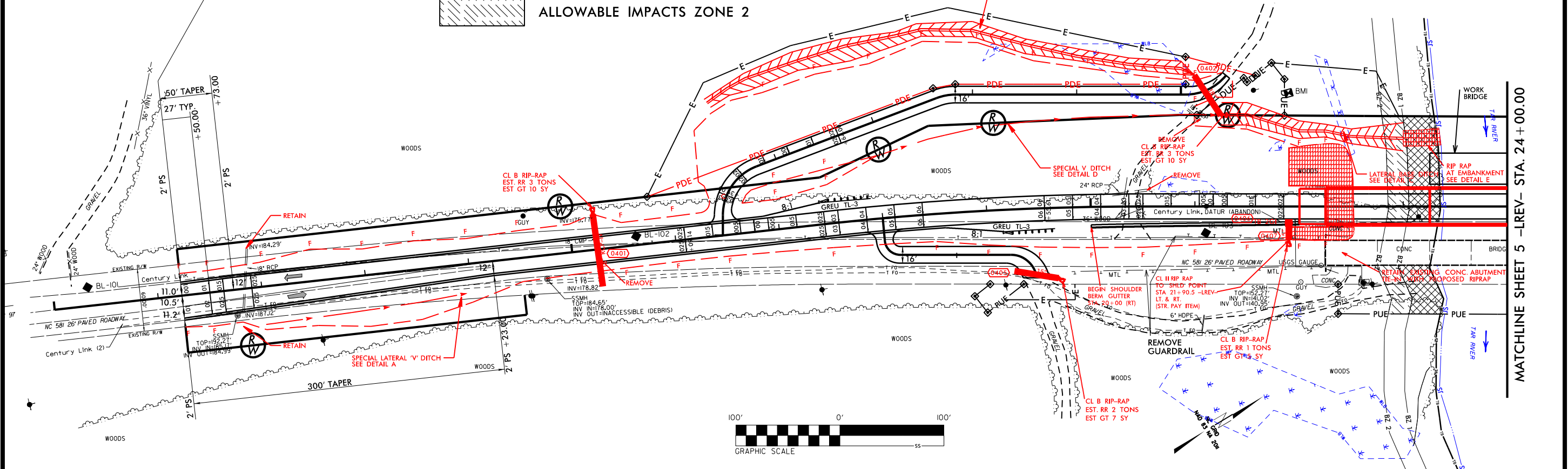
CONTRACT:

\$\$\$\$\$SYSTINE\$\$\$\$\$DDN\$\$\$\$\$USERNAME\$\$\$\$\$


BEGIN NCDOT
PROJECT B-5947
-LREV- POT
STA. 11 + 23.00

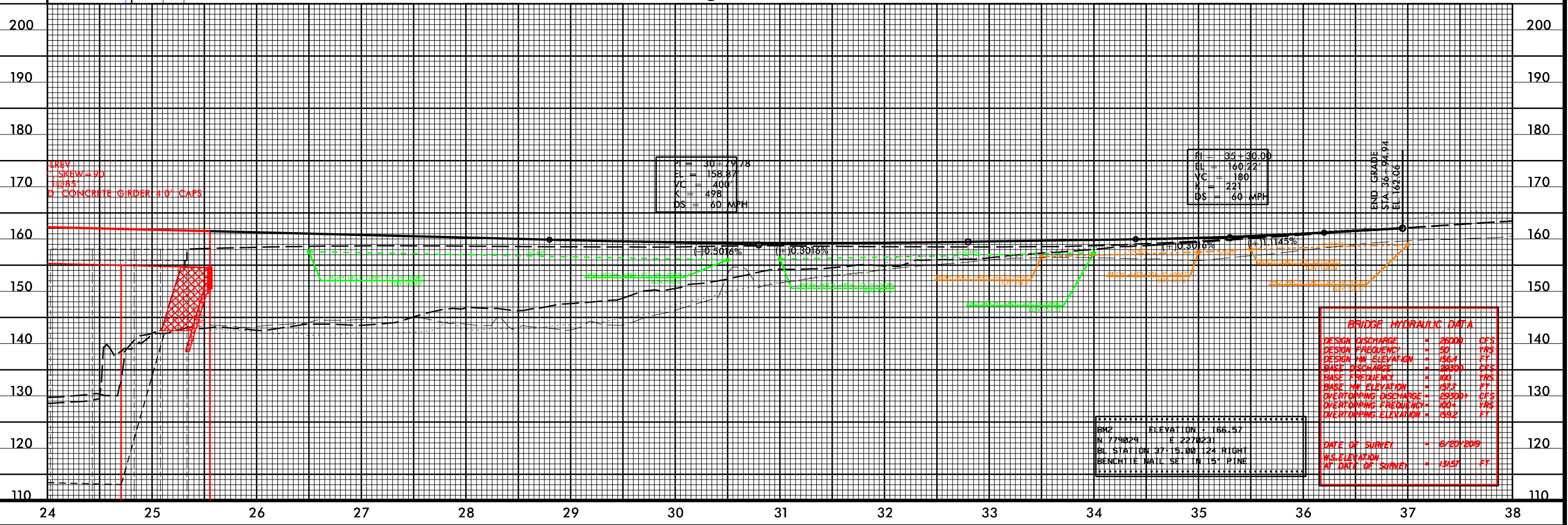
BUFFER DRAWING
SHEET 2 OF 4

ALLOWABLE IMPACTS ZONE 1
ALLOWABLE IMPACTS ZONE 2



DGN

| | |
|---|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| B-5947 | 5 |
|  <div style="display: inline-block; vertical-align: middle;"> <p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p> </div> | |
| <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p> | |



U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT

Action Id. SAW-2018-02174

County: Nash County U.S.G.S. Quad: Spring Hope

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner/Applicant: North Carolina Department of Transportation

Philip Harris III

Address: 1598 Mail Service Center

Raleigh, NC, 27699

Telephone Number: 919.707.6152

Size (acres) N/A

Nearest Waterway Tar River

USGS HUC 03020101

Nearest Town Spring Hope

River Basin Pamlico

Coordinates Latitude: 35.8820 Longitude: -78.0894

Location description: Bridge No. 91 on NC 581 over the Tar River, south of Spring Hope, NC

Indicate Which of the Following Apply:

A. Preliminary Determination

- ☒ There are waters, including wetlands, on the above described project area, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters, including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.

B. Approved Determination

- ☐ There are waters of the U.S., including wetlands, on the above described project area subject to the permit requirements of Section 404 of the Clean Water Act (CWA) (33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- ☐ We recommend you have the waters of the U.S. on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.
- ☐ The waters of the U.S., including wetlands, on your project area have been delineated and the delineation has been verified by the Corps. We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.
- ☐ The waters of the U.S., including wetlands, have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on _____. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- ☐ There are no waters of the U.S., to include wetlands, present on the above described project area which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

Placement of dredged or fill material within waters of the US, including wetlands, without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). Placement of dredged or fill material, construction or placement of structures, or work within navigable waters of the United States without a Department of the Army permit may constitute a violation of Sections 9 and/or 10 of the Rivers and Harbors Act (33 USC § 401 and/or 403). If you have any questions regarding this determination and/or the Corps regulatory program, please contact **Eric Alsmeyer at (919) 554-4884 X 23 or Eric.C.Alsmeier@usace.army.mil.**

C. Basis For Determination: N/A. An Approved JD has not been completed.

D. Attention USDA Program Participants

This delineation/determination has been conducted to identify the limits of Corps' Clean Water Act jurisdiction for the particular site identified in this request. The delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this correspondence.

Corps Regulatory Official: Monte Matthews MATTHEWS.MONTE.K.128
4867633
2019.05.31 10:37:14 -04'00'

Date: May 31, 2019 Expiration Date: N/A

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete our Customer Satisfaction Survey, located online at http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0.

Copy Furnished (by email):

Scenic Consulting Group
Attn: Eric Black
E.Black@sncgrp.com